

AMENDMENTS TO THE CLAIMS:

Please amend Claim 7 as follows:

1 - 6. (Cancelled)

7. (Currently Amended) An amphiphilic block polymer comprising:

(a) a hydrophilic block segment having a repeating unit structure represented by the general formula (4):



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wherein:

A represents a linear alkylene group of 1 to 15 carbon atoms;

m represents 0 or 1;

B represents a single bond or an alkylene group of 1 to 20 carbon atoms;

each D represents independently an aromatic ring structure in which at least one hydrogen atom attached to the ring is displaced by a fluorine atom;

n represents an integer of 1 to 10; and

~~p represents 1; and~~

R represents an alkyl group or an aromatic ring structure, and

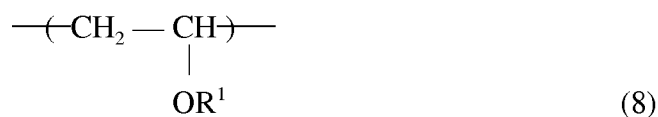
(b) a hydrophobic block segment.

8. (Previously Presented) The amphiphilic block polymer according to claim 7, further comprising another hydrophilic block segment.

9-13. (Cancelled)

14. (Previously Presented) The amphiphilic block polymer according to claim 7, wherein four hydrogen atoms attached to the aromatic ring structure represented by D in the general formula (4) are each displaced by fluorine atoms.

15. (Previously Presented) The amphiphilic block polymer according to claim 7, wherein the hydrophobic block segment has a repeating unit structure represented by the general formula (8):



wherein:

R<sup>1</sup> is selected from the group consisting of a linear, branched, or cyclic alkyl groups of 1 to 18 carbon atoms, -Ph, -Pyr, -Ph-Ph, -Ph-Pyr, -(CH(R<sup>5</sup>)-CH(R<sup>6</sup>)-O)<sub>p</sub>-R<sup>7</sup>, and -(CH<sub>2</sub>)<sub>m</sub>-(O)<sub>n</sub>-R<sup>7</sup>, and hydrogen atom(s) in the aromatic ring may be replaced by linear or

branched alkyl group(s) of 1 to 4 carbon atoms, and carbon atom(s) in the aromatic ring may be replaced by nitrogen atom(s), wherein:

p represents an integer of 1 to 18;

m represents an integer of 1 to 36;

n represents 0 or 1;

each of  $R^5$  and  $R^6$  represents independently a hydrogen atom or  $-CH_3$ ; and

$R^7$  is selected from the group consisting of a hydrogen atom, a linear, branched, or cyclic alkyl group of 1 to 18 carbon atoms, -Ph, -Pyr, -Ph-Ph, -Ph-Pyr, -CHO,  $-CH_2CHO$ ,  $-CO-CH=CH_2$ ,  $-CO-C(CH_3)=CH_2$  and  $CH_2COOR_8$ , and when  $R^7$  is other than a hydrogen atom, hydrogen atom(s) attached to carbon atom(s) in  $R^7$  may be replaced by a linear or branched alkyl group of 1 to 4 carbon atoms, -F, -Cl, or -Br, and carbon atom(s) in the aromatic ring may be replaced by nitrogen atom(s), wherein:

$R^8$  represents a hydrogen atom or an alkyl group of 1 to 5 carbon atoms;

Ph represents a phenyl group; and

Pyr represents a pyridyl group.